

FIG. 1A - Prior Art

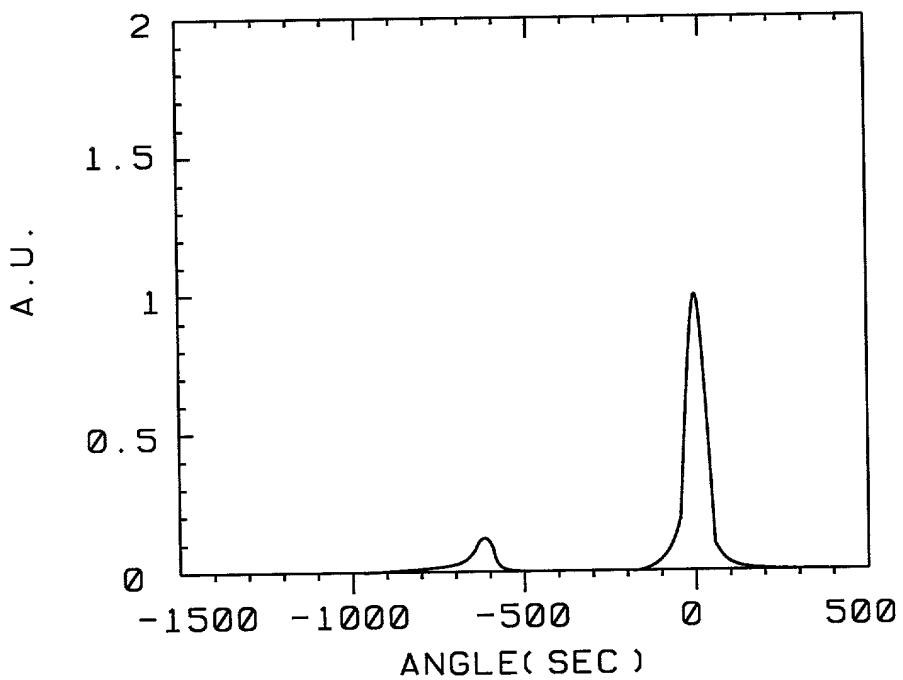


FIG. 1B - Prior Art

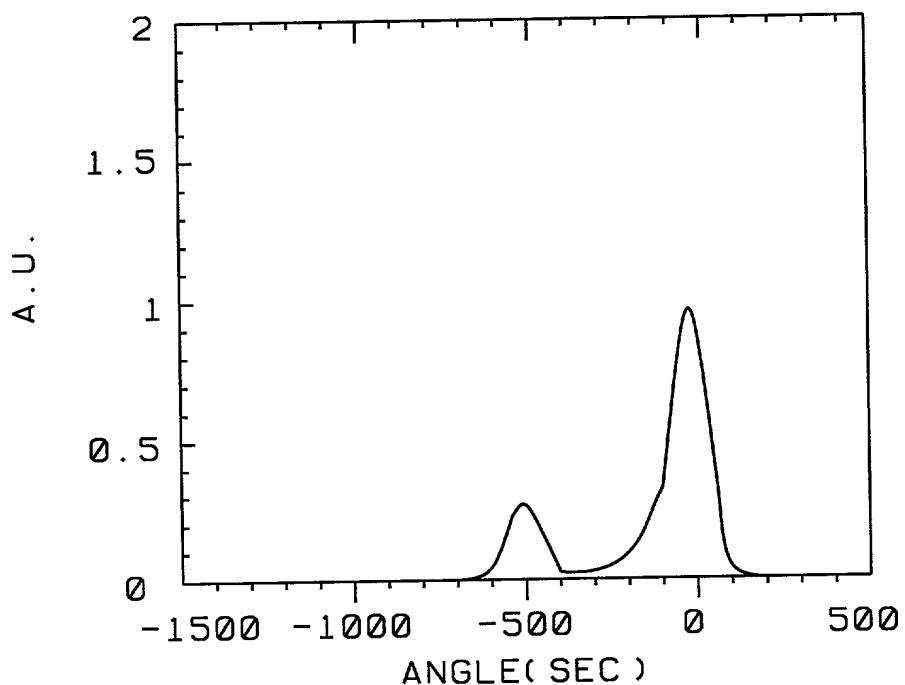


FIG. 1C - Prior Art

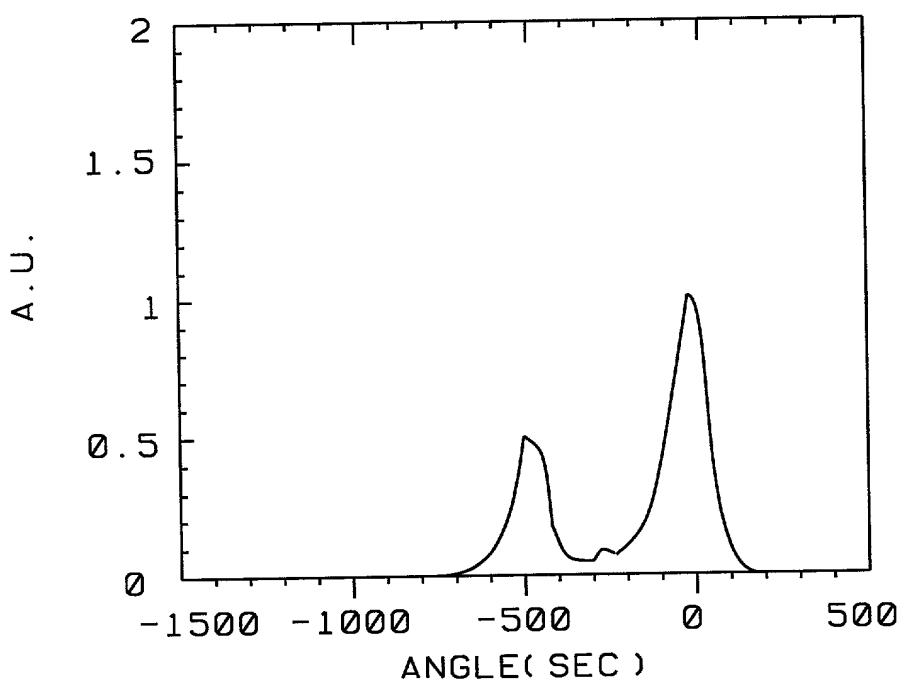


FIG. 1D - Prior Art

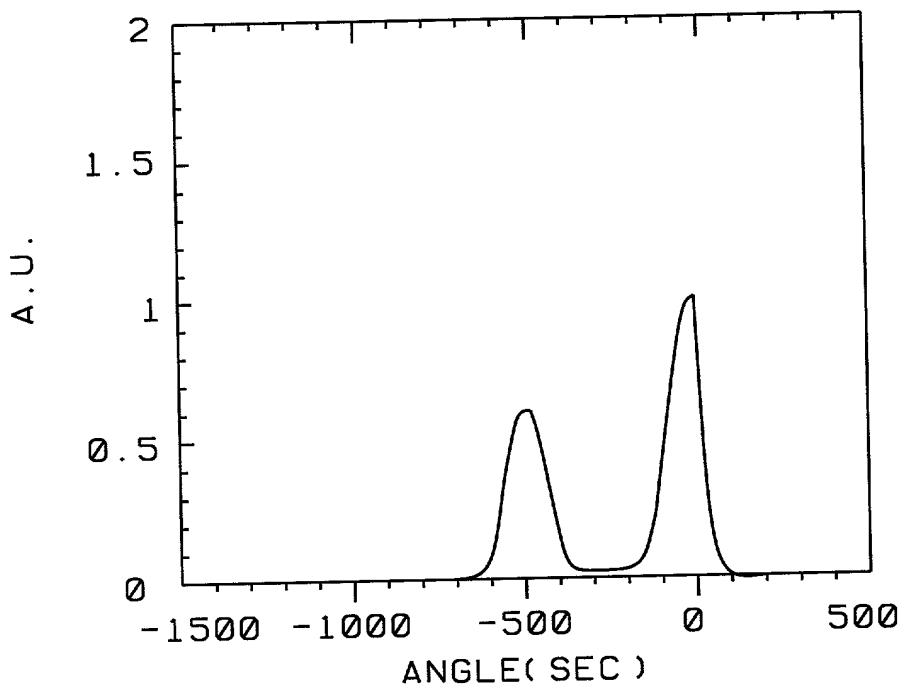


FIG. 1E - Prior Art

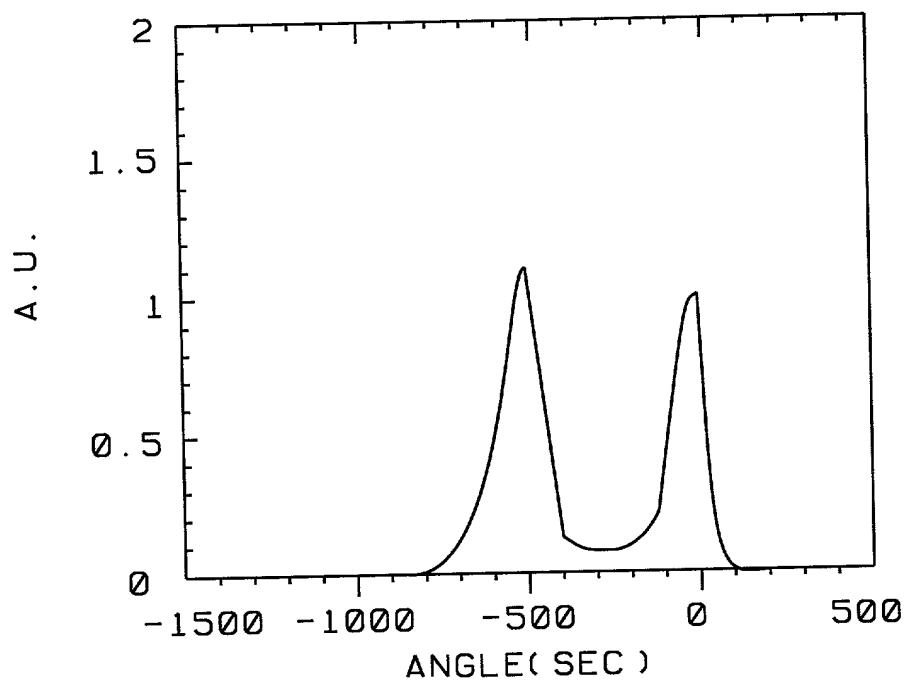


FIG. 1F - Prior Art

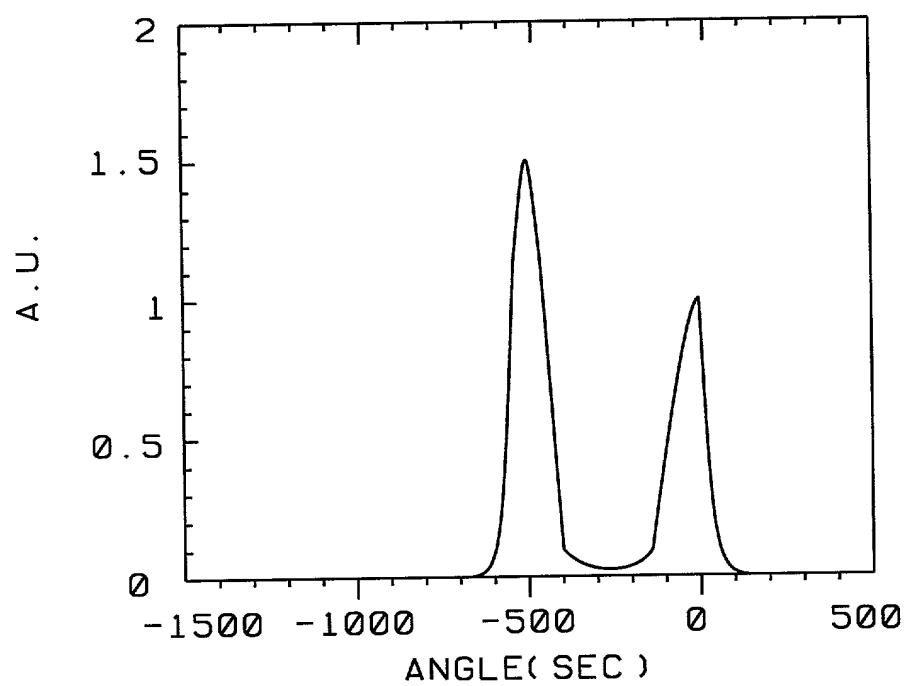
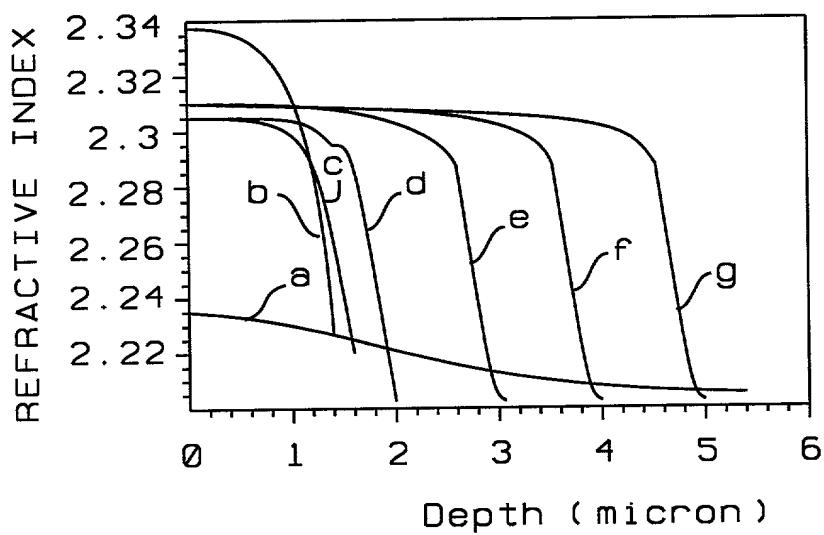


FIG. 1G - Prior Art

SURFACE  
EXTRAORDINARY INDEX CHANGE

SAMPLE	$dn_e$
a	0.0321
b	0.1351
c	0.1009
d	0.1006
e	0.1045
f	0.1045
g	0.1053

*FIG. 2 - Prior Art*



*FIG. 3 - Prior Art*

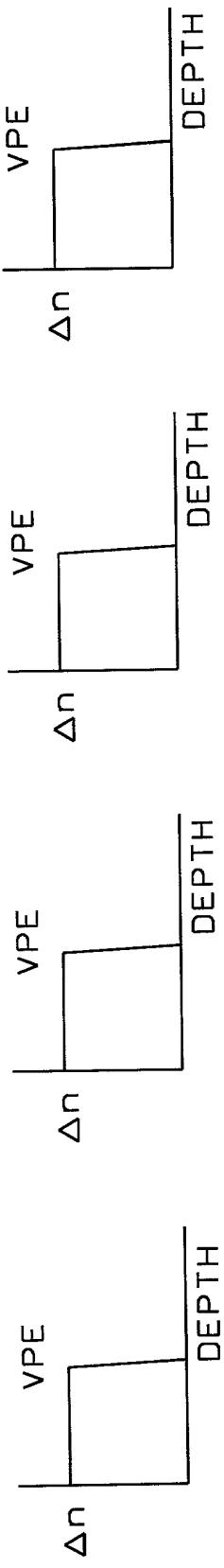


FIG. 4A *FIG. 5A* *FIG. 6A* *FIG. 7A*

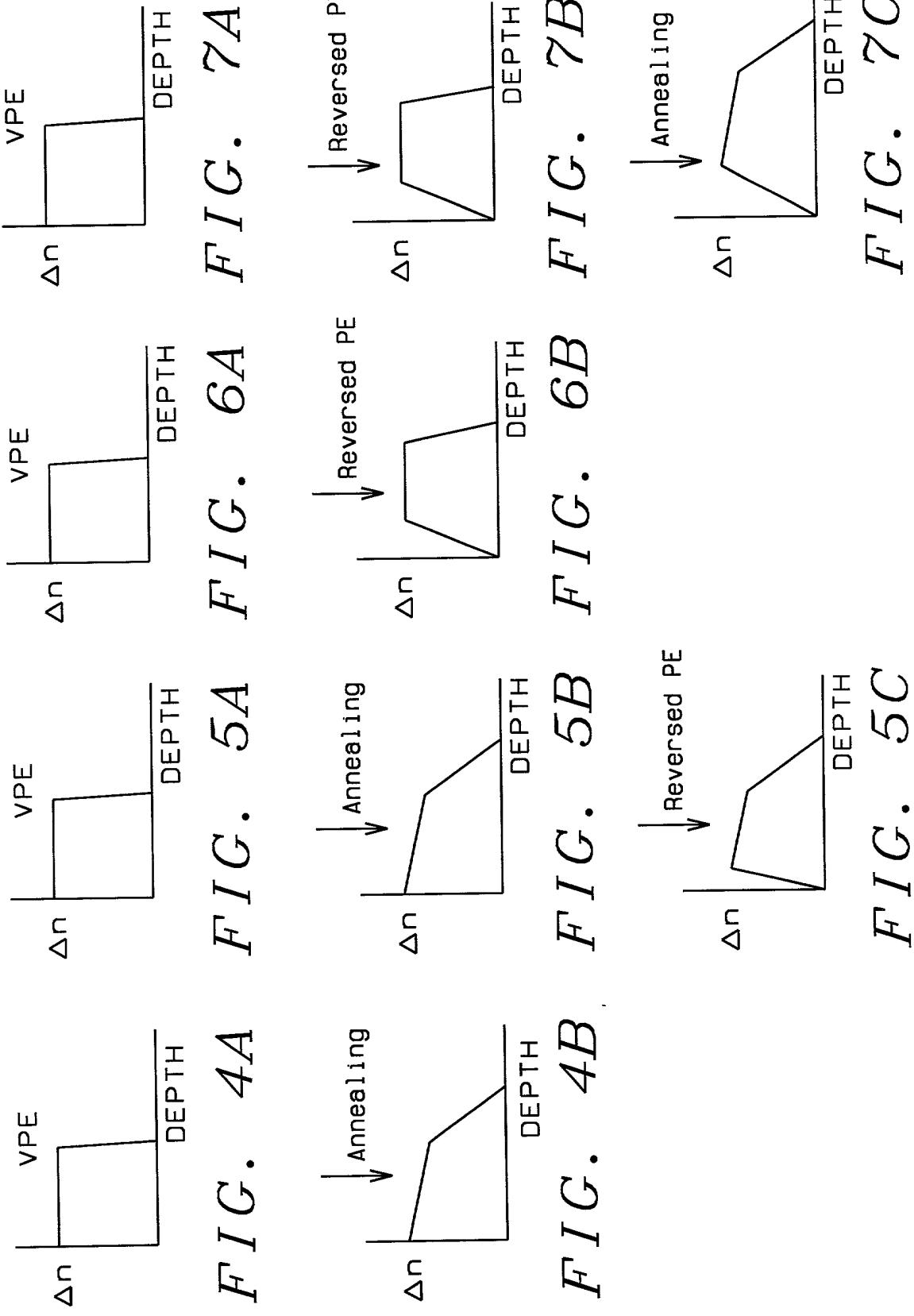


FIG. 4C

## A-VPE CHANNEL WAVEGUIDE

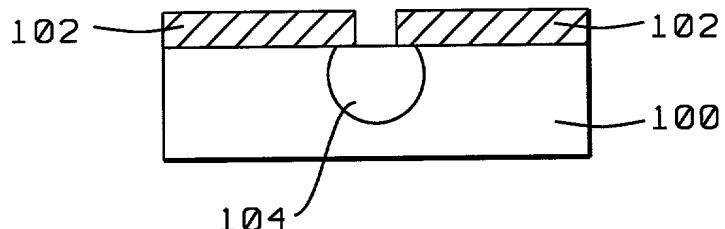


FIG. 8A

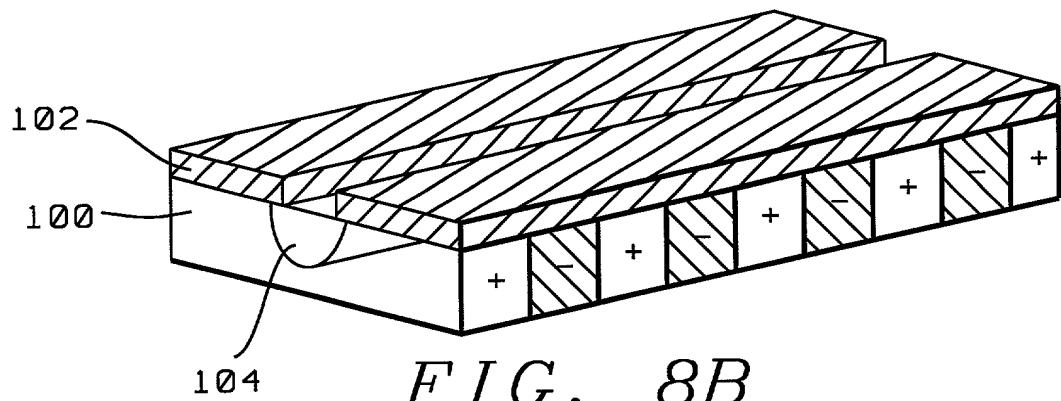


FIG. 8B

## R-VPE CHANNEL WAVEGUIDE

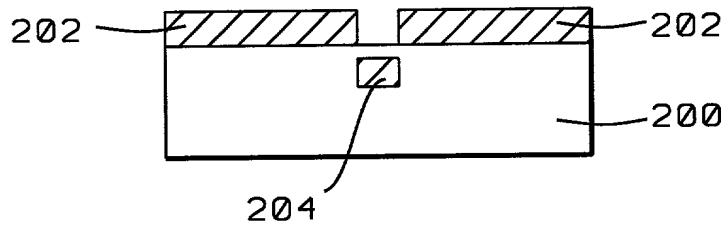


FIG. 8C

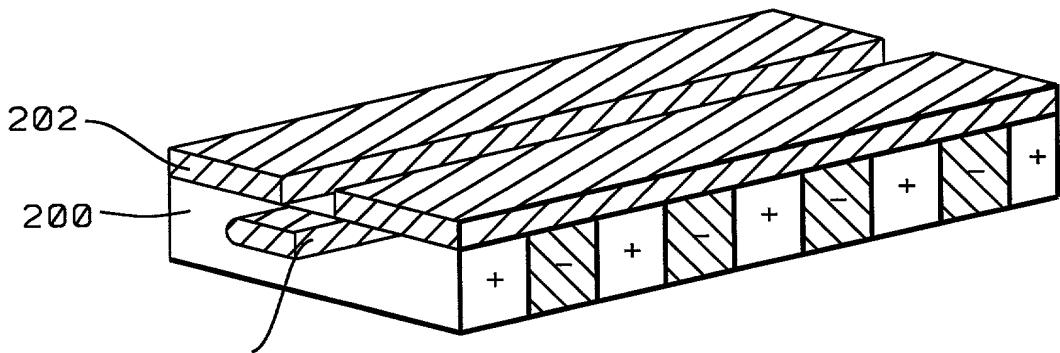


FIG. 8D

## AR-VPE OR RA-VPE CHANNEL WAVEGUIDE

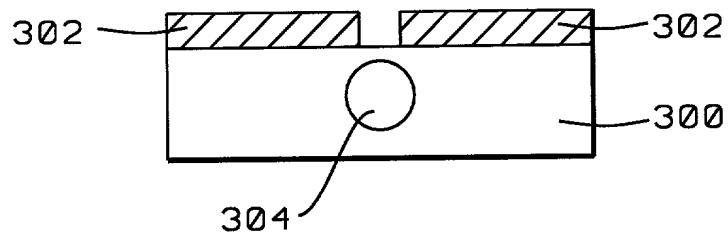


FIG. 8E

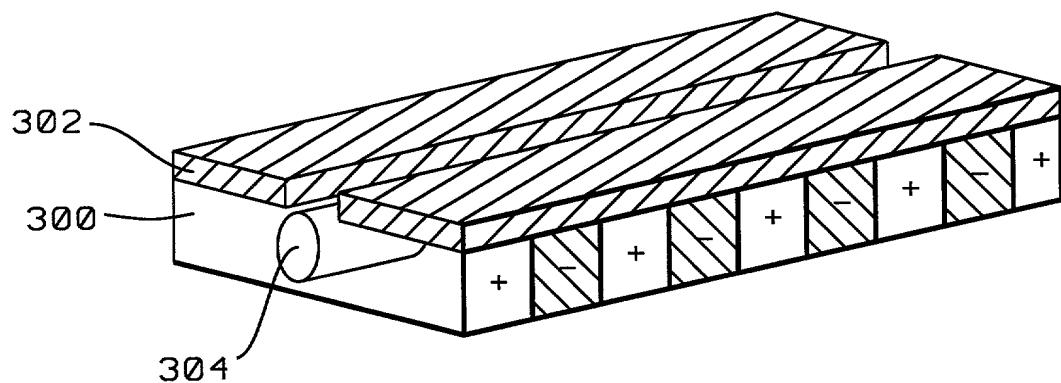


FIG. 8F

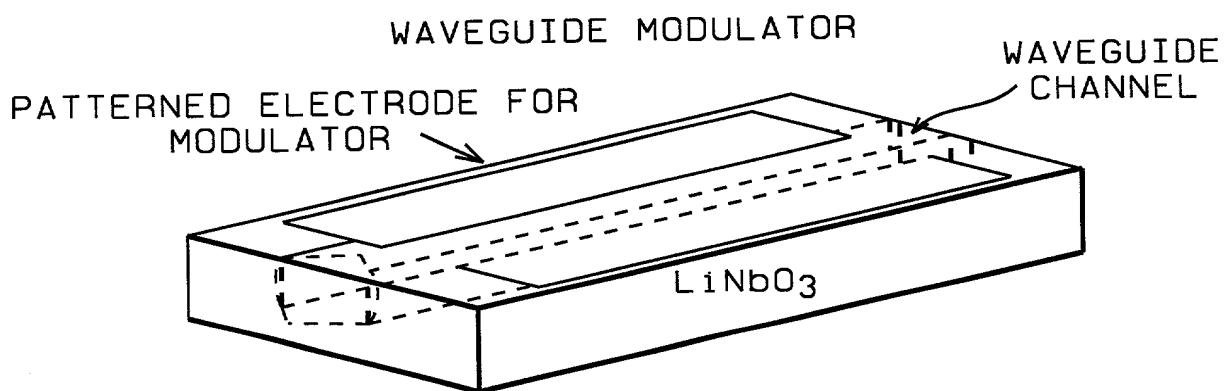


FIG. 9A

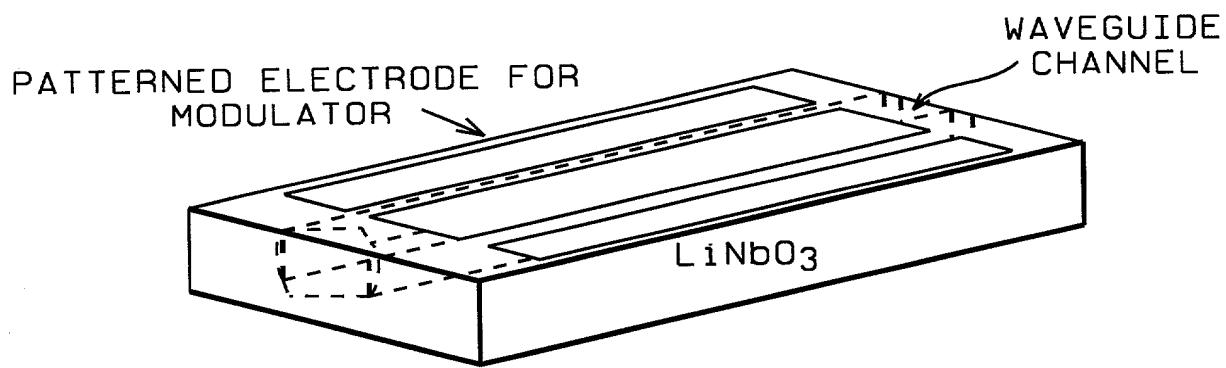


FIG. 9B

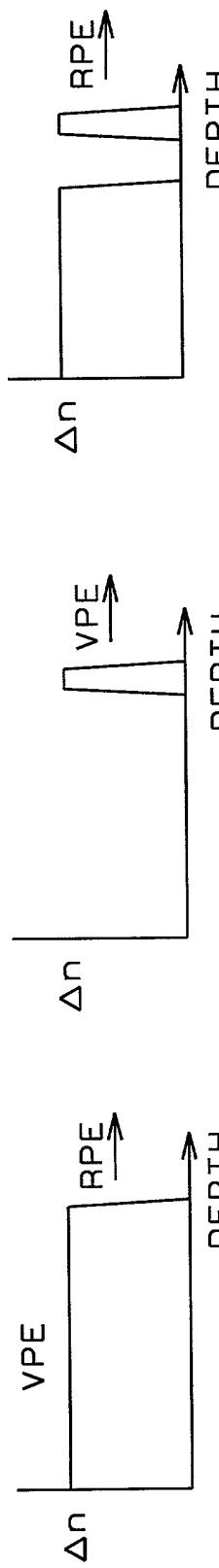


FIG. 10A

FIG. 10B

FIG. 10C

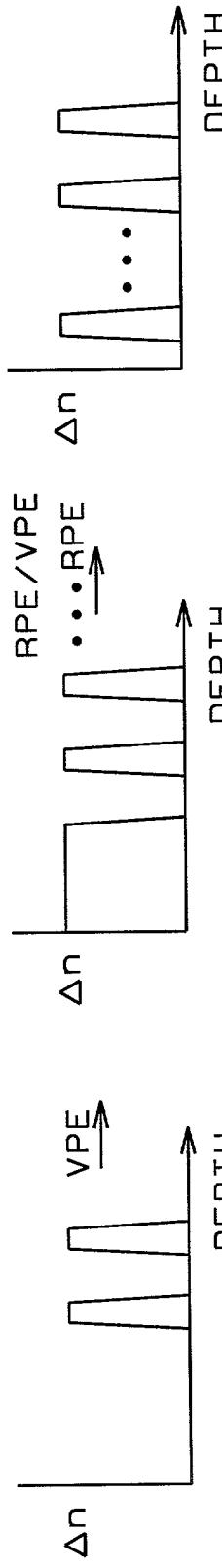


FIG. 10E

FIG. 10F

FIG. 10G

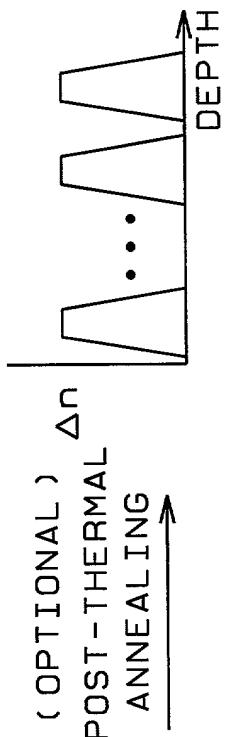


FIG. 10G

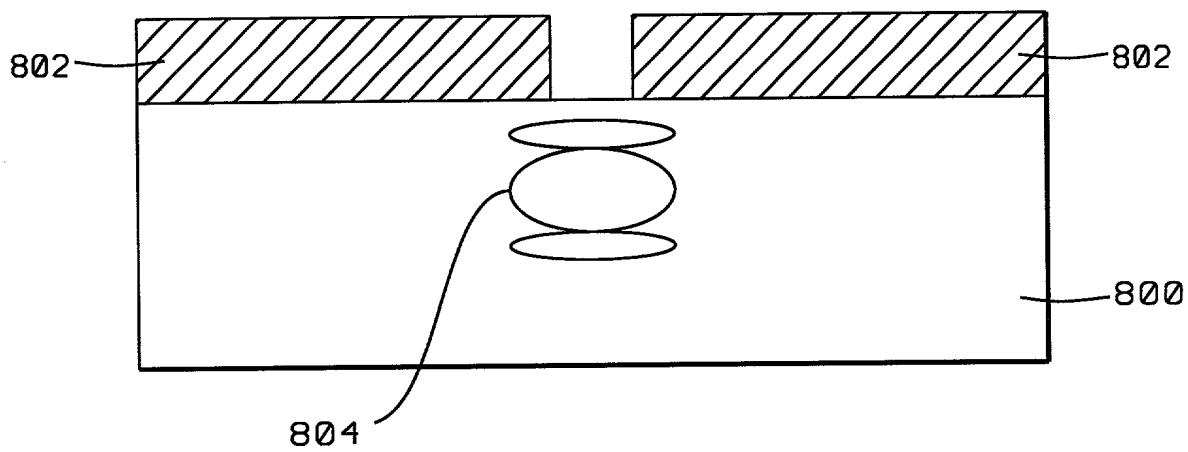


FIG. 11A

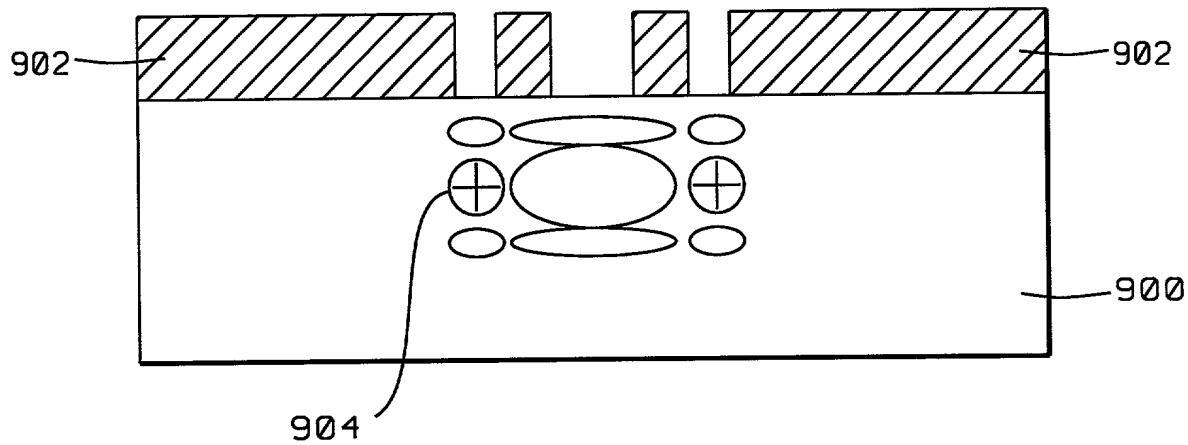


FIG. 11B